

## Neurotology Fellowship

### Suggested Reading List

#### **Meniere's disease**

Rassekh CH, Harker LA. The prevalence of migraine in Menière's disease. *Laryngoscope*. 1992 Feb;102(2):135-8. doi: <https://doi.org/10.1288/00005537-199202000-00006> MID: 1738284.

Cohen-Kerem R, Kisilevsky V, Einarson TR, Kozler E, Koren G, Rutka JA. Intratympanic gentamicin for Menière's disease: a meta-analysis. *Laryngoscope*. 2004 Dec;114(12):2085-91. doi: <https://doi.org/10.1097/01.mlg.0000149439.43478.24> . PMID: 15564826.

McRackan TR, Best J, Pearce EC, Bennett ML, Dietrich M, Wanna GB, Haynes DS, Labadie RF. Intratympanic dexamethasone as a symptomatic treatment for Ménière's disease. *Otol Neurotol*. 2014 Oct;35(9):1638-40. doi: <https://doi.org/10.1097/mao.0000000000000500> . PMID: 25188506.

Lopez-Escamez JA, Carey J, Chung WH, Goebel JA, Magnusson M, Mandalà M, Newman-Toker DE, Strupp M, Suzuki M, Trabalzini F, Bisdorff A; Classification Committee of the Barany Society; Japan Society for Equilibrium Research; European Academy of Otolology and Neurotology (EAONO); Equilibrium Committee of the American Academy of Otolaryngology-Head and Neck Surgery (AAO-HNS); Korean Balance Society. Diagnostic criteria for Menière's disease. *J Vestib Res*. 2015;25(1):1-7. doi: <https://doi.org/10.3233/ves-150549> . PMID: 25882471.

Thomsen J, Bretlau P, Tos M, Johnsen NJ. Placebo effect in surgery for Ménière's disease. A double-blind, placebo-controlled study on endolymphatic sac shunt surgery. *Arch Otolaryngol*. 1981 May;107(5):271-7. doi: <https://doi.org/10.1001/archotol.1981.00790410009002> . PMID: 7013741.

#### **Migraine variants**

Lempert T, Olesen J, Furman J, Waterston J, Seemungal B, Carey J, Bisdorff A, Versino M, Evers S, Newman-Toker D. Vestibular migraine: diagnostic criteria. *J Vestib Res*. 2012;22(4):167-72. doi: <https://doi.org/10.3233/ves-2012-0453> PMID: 23142830.

#### **BPPV/PPPD**

Popkirov S, Staab JP, Stone J. Persistent postural-perceptual dizziness (PPPD): a common, characteristic and treatable cause of chronic dizziness. *Pract Neurol*. 2018 Feb;18(1):5-13. doi: <https://doi.org/10.1136/practneurol-2017-001809> . Epub 2017 Dec 5. PMID: 29208729.

#### **Superior canal dehiscence syndrome**

Minor LB, Solomon D, Zinreich JS, Zee DS. Sound- and/or pressure-induced vertigo due to bone dehiscence of the superior semicircular canal. *Arch Otolaryngol Head Neck Surg*. 1998 Mar;124(3):249-58. doi: <https://doi.org/10.1001/archotol.124.3.249> PMID: 9525507.

Ward BK, Carey JP, Minor LB. Superior Canal Dehiscence Syndrome: Lessons from the First 20 Years. *Front Neurol.* 2017 Apr 28;8:177. doi: [10.3389/fneur.2017.00177](https://doi.org/10.3389/fneur.2017.00177). PMID: 28503164; PMCID: PMC5408023.

### **Vestibular testing**

Baloh RW, Honrubia V. Clinical neurophysiology of the vestibular system. *Contemp Neurol Ser.* 1979;18:1-21. PMID: 378525. <https://pubmed.ncbi.nlm.nih.gov/378525/>

Colebatch JG, Halmagyi GM, Skuse NF. Myogenic potentials generated by a click-evoked vestibulocollic reflex. *J Neurol Neurosurg Psychiatry.* 1994 Feb;57(2):190-7. doi: <https://doi.org/10.1136/jnnp.57.2.190> . PMID: 8126503; PMCID: PMC1072448.

Halmagyi GM, Chen L, MacDougall HG, Weber KP, McGarvie LA, Curthoys IS. The Video Head Impulse Test. *Front Neurol.* 2017 Jun 9;8:258. doi: <https://doi.org/10.3389/fneur.2017.00258> . PMID: 28649224; PMCID: PMC5465266.

### **Pediatric hearing loss**

Kenna MA. Acquired Hearing Loss in Children. *Otolaryngol Clin North Am.* 2015 Dec;48(6):933-53. doi: <https://doi.org/10.1016/j.otc.2015.07.011> Epub 2015 Oct 6. PMID: 26452421.

Jackler RK, Luxford WM, House WF. Congenital malformations of the inner ear: a classification based on embryogenesis. *Laryngoscope.* 1987 Mar;97(3 Pt 2 Suppl 40):2-14. doi: <https://doi.org/10.1002/lary.5540971301> . PMID: 3821363.

Jahrsdoerfer RA, Yeakley JW, Aguilar EA, Cole RR, Gray LC. Grading system for the selection of patients with congenital aural atresia. *Am J Otol.* 1992 Jan;13(1):6-12. PMID: 1598988. <https://pubmed.ncbi.nlm.nih.gov/1598988/>

Goderis J, De Leenheer E, Smets K, Van Hoecke H, Keymeulen A, Dhooge I. Hearing loss and congenital CMV infection: a systematic review. *Pediatrics.* 2014 Nov;134(5):972-82. doi: <https://doi.org/10.1542/peds.2014-1173> . PMID: 25349318.

### **Adult hearing loss**

Liberman MC, Kujawa SG. Cochlear synaptopathy in acquired sensorineural hearing loss: Manifestations and mechanisms. *Hear Res.* 2017 Jun;349:138-147. doi: <https://doi.org/10.1016/j.heares.2017.01.003> . Epub 2017 Jan 10. PMID: 28087419; PMCID: PMC5438769.

Wilson WR, Byl FM, Laird N. The efficacy of steroids in the treatment of idiopathic sudden hearing loss. A double-blind clinical study. *Arch Otolaryngol.* 1980 Dec;106(12):772-6. doi: <https://doi.org/10.1001/archotol.1980.00790360050013> . PMID: 7002129.

Rauch SD, Halpin CF, Antonelli PJ, Babu S, Carey JP, Gantz BJ, Goebel JA, Hammerschlag PE, Harris JP, Isaacson B, Lee D, Linstrom CJ, Parnes LS, Shi H, Slaterry WH, Telian SA, Vrabc JT, Reda DJ. Oral vs intratympanic corticosteroid therapy for idiopathic sudden sensorineural hearing loss: a randomized trial. *JAMA.* 2011 May 25;305(20):2071-9. doi: <https://doi.org/10.1001/jama.2011.679> . PMID: 21610239.

Deal JA, Betz J, Yaffe K, Harris T, Purchase-Helzner E, Satterfield S, Pratt S, Govil N, Simonsick EM, Lin FR; Health ABC Study Group. Hearing Impairment and Incident Dementia and Cognitive Decline in Older Adults: The Health ABC Study. *J Gerontol A Biol Sci Med Sci*. 2017 May 1;72(5):703-709. doi: [10.1093/gerona/glw069](https://doi.org/10.1093/gerona/glw069). PMID: 27071780; PMCID: PMC5964742.

### **Genetic hearing loss**

Shearer AE, Hildebrand MS, Smith RJH. Hereditary Hearing Loss and Deafness Overview. 1999 Feb 14 [updated 2017 Jul 27]. In: Adam MP, Ardinger HH, Pagon RA, Wallace SE, Bean LJH, Mirzaa G, Amemiya A, editors. *GeneReviews*<sup>®</sup> [Internet]. Seattle (WA): University of Washington, Seattle; 1993–2021. PMID: 20301607. <https://pubmed.ncbi.nlm.nih.gov/20301607/>

### **Ototoxicity**

Brock PR, Maibach R, Childs M, Rajput K, Roebuck D, Sullivan MJ, Laithier V, Ronghe M, Dall'igna P, Hiyama E, Brichard B, Skeen J, Mateos ME, Capra M, Rangaswami AA, Ansari M, Rechnitzer C, Veal GJ, Covezzoli A, Brugières L, Perilongo G, Czauderna P, Morland B, Neuwelt EA. Sodium Thiosulfate for Protection from Cisplatin-Induced Hearing Loss. *N Engl J Med*. 2018 Jun 21;378(25):2376-2385. doi: <https://doi.org/10.1056/nejmoa1801109> . PMID: 29924955; PMCID: PMC6117111.

### **Tinnitus**

Sismanis A. Pulsatile tinnitus: contemporary assessment and management. *Curr Opin Otolaryngol Head Neck Surg*. 2011 Oct;19(5):348-57. doi: [10.1097/MOO.0b013e3283493fd8](https://doi.org/10.1097/MOO.0b013e3283493fd8). PMID: 22552697.

### **Glomus tumors**

Fisch U. Infratemporal fossa approach to tumours of the temporal bone and base of the skull. *J Laryngol Otol*. 1978 Nov;92(11):949-67. doi: <https://doi.org/10.1017/s0022215100086382> . PMID: 213516.

Jackson CG, Glasscock ME 3rd, Harris PF. Glomus Tumors. Diagnosis, classification, and management of large lesions. *Arch Otolaryngol*. 1982 Jul;108(7):401-10. doi: <https://doi.org/10.1001/archotol.1982.00790550005002> . PMID: 6284098.

Shapiro S, Kellermeyer B, Ramadan J, Jones G, Wiseman B, Cassis A. Outcomes of Primary Radiosurgery Treatment of Glomus Jugulare Tumors: Systematic Review With Meta-analysis. *Otol Neurotol*. 2018 Oct;39(9):1079-1087. doi: <https://doi.org/10.1097/mao.0000000000001957> . PMID: 30124618.

### **Vestibular schwannoma diagnosis**

Cueva RA. Auditory brainstem response versus magnetic resonance imaging for the evaluation of asymmetric sensorineural hearing loss. *Laryngoscope*. 2004 Oct;114(10):1686-92. doi: <https://doi.org/10.1097/00005537-200410000-00003> . PMID: 15454755.

### **VS management**

Kirchmann M, Karnov K, Hansen S, Dethloff T, Stangerup SE, Caye-Thomasen P. Ten-Year Follow-up on Tumor Growth and Hearing in Patients Observed With an Intracanalicular Vestibular Schwannoma.

Neurosurgery. 2017 Jan 1;80(1):49-56. doi: <https://doi.org/10.1227/neu.0000000000001414> . PMID: 27571523.

Jackler RK, Whinney D. A century of eighth nerve surgery. Otol Neurotol. 2001 May;22(3):401-16. doi: <https://doi.org/10.1097/00129492-200105000-00023> . PMID: 11347648.

HOUSE WF. Surgical exposure of the internal auditory canal and its contents through the middle, cranial fossa. Laryngoscope. 1961 Nov;71:1363-85. doi: <https://doi.org/10.1288/00005537-196111000-00004> . PMID: 14036379.

Hajioff D, Raut VV, Walsh RM, Bath AP, Bance ML, Guha A, Tator CH, Rutka JA. Conservative management of vestibular schwannomas: third review of a 10-year prospective study. Clin Otolaryngol. 2008 Jun;33(3):255-9. doi: <https://doi.org/10.1111/j.1749-4486.2008.01705.x> . PMID: 18559034.

McRackan TR, Brackmann DE. Historical perspective on evolution in management of lateral skull base tumors. Otolaryngol Clin North Am. 2015 Jun;48(3):397-405. doi: <https://doi.org/10.1016/j.otc.2015.02.002> . PMID: 25863569.

### **VS surgery complications:**

Roche JP, Woodson EA, Hansen MR, Gantz BJ. Ultra Long-Term Audiometric Outcomes in the Treatment of Vestibular Schwannoma With the Middle Cranial Fossa Approach. Otol Neurotol. 2018 Feb;39(2):e151-e157. doi: <https://doi.org/10.1097/mao.0000000000001678> . PMID: 29315191.

Carlson ML, Tveiten OV, Driscoll CL, Goplen FK, Neff BA, Pollock BE, Tombers NM, Castner ML, Finnkirk MK, Myrseth E, Pedersen PH, Lund-Johansen M, Link MJ. Long-term quality of life in patients with vestibular schwannoma: an international multicenter cross-sectional study comparing microsurgery, stereotactic radiosurgery, observation, and nontumor controls. J Neurosurg. 2015 Apr;122(4):833-42. doi: <https://doi.org/10.3171/2014.11.jns14594> . Epub 2015 Jan 2. PMID: 25555165.

Heman-Ackah SE, Golfinos JG, Roland JT Jr. Management of surgical complications and failures in acoustic neuroma surgery. Otolaryngol Clin North Am. 2012 Apr;45(2):455-70, x. doi: [10.1016/j.otc.2011.12.012](https://doi.org/10.1016/j.otc.2011.12.012). PMID: 22483827.

Allen RC. Controversies in periocular reconstruction for facial nerve palsy. Curr Opin Ophthalmol. 2018 Sep;29(5):423-427. DOI: [10.1097/ICU.0000000000000510](https://doi.org/10.1097/ICU.0000000000000510) PMID: 29985176.

Samii M, Matthies C. Management of 1000 vestibular schwannomas (acoustic neuromas): surgical management and results with an emphasis on complications and how to avoid them. Neurosurgery. 1997 Jan;40(1):11-21; discussion 21-3. doi: [10.1097/00006123-199701000-00002](https://doi.org/10.1097/00006123-199701000-00002). PMID: 8971819.

### **Other CPA lesions**

Friedmann DR, Grobelny B, Golfinos JG, Roland JT Jr. Nonschwannoma tumors of the cerebellopontine angle. Otolaryngol Clin North Am. 2015 Jun;48(3):461-75. doi: [Friedmann DR, Grobelny B, Golfinos JG,](https://doi.org/10.1016/j.otc.2015.02.002)

Roland JT Jr. Nonschwannoma tumors of the cerebellopontine angle. *Otolaryngol Clin North Am.* 2015 Jun;48(3):461-75. doi: <https://doi.org/10.1016/j.otc.2015.02.006> . PMID: 26043142.. PMID: 26043142.

Wilkinson EP, Hoa M, Slattery WH 3rd, Fayad JN, Friedman RA, Schwartz MS, Brackmann DE. Evolution in the management of facial nerve schwannoma. *Laryngoscope.* 2011 Oct;121(10):2065-74. doi: <https://doi.org/10.1002/lary.22141> . Epub 2011 Sep 6. PMID: 21898431.

Fayad JN, Keles B, Brackmann DE. Jugular foramen tumors: clinical characteristics and treatment outcomes. *Otol Neurotol.* 2010 Feb;31(2):299-305. doi: <https://doi.org/10.1097/mao.0b013e3181be6495> . PMID: 19779386.

McRackan TR, Wilkinson EP, Rivas A. Primary tumors of the facial nerve. *Otolaryngol Clin North Am.* 2015 Jun;48(3):491-500. doi: <https://doi.org/10.1016/j.otc.2015.02.008> . Epub 2015 Apr 21. PMID: 25910405.

### **Temporal bone carcinoma**

Arriaga M, Curtin H, Takahashi H, Hirsch BE, Kamerer DB. Staging proposal for external auditory meatus carcinoma based on preoperative clinical examination and computed tomography findings. *Ann Otol Rhinol Laryngol.* 1990 Sep;99(9 Pt 1):714-21. doi: <https://doi.org/10.1177/000348949009900909> . PMID: 2396807.

Gidley PW, Roberts DB, Sturgis EM. Squamous cell carcinoma of the temporal bone. *Laryngoscope.* 2010 Jun;120(6):1144-51. doi: [10.1002/lary.20937](https://doi.org/10.1002/lary.20937). PMID: 20513031.

### **Cochlear implants**

Niparko JK, Tobey EA, Thal DJ, Eisenberg LS, Wang NY, Quittner AL, Fink NE; CDaCI Investigative Team. Spoken language development in children following cochlear implantation. *JAMA.* 2010 Apr 21;303(15):1498-506. doi: <https://doi.org/10.1001/jama.2010.451> . PMID: 20407059; PMCID: PMC3073449.

Reefhuis J, Honein MA, Whitney CG, Chamany S, Mann EA, Biernath KR, Broder K, Manning S, Avashia S, Victor M, Costa P, Devine O, Graham A, Boyle C. Risk of bacterial meningitis in children with cochlear implants. *N Engl J Med.* 2003 Jul 31;349(5):435-45. doi: <https://doi.org/10.1056/nejmoa031101> . PMID: 12890842.

Carlson ML. Cochlear Implantation in Adults. *N Engl J Med.* 2020 Apr 16;382(16):1531-1542. doi: <https://doi.org/10.1056/nejmra1904407> . PMID: 32294347.

Zeitler DM, Dorman MF. Cochlear Implantation for Single-Sided Deafness: A New Treatment Paradigm. *J Neurol Surg B Skull Base.* 2019 Apr;80(2):178-186. doi: [10.1055/s-0038-1677482](https://doi.org/10.1055/s-0038-1677482). Epub 2019 Feb 4. PMID: 30931226; PMCID: PMC6438794

### **Cholesterol granuloma**

Isaacson B. Cholesterol granuloma and other petrous apex lesions. *Otolaryngol Clin North Am.* 2015 Apr;48(2):361-73. doi: <https://doi.org/10.1016/j.otc.2014.12.009> . Epub 2015 Jan 31. PMID: 25650229.

### **Facial nerve management and treatment**

Thakar A, Gupta MP, Srivastava A, Agrawal D, Kumar A. Nonsurgical Treatment for Posttraumatic Complete Facial Nerve Paralysis. *JAMA Otolaryngol Head Neck Surg*. 2018 Apr 1;144(4):315-321. doi: <https://doi.org/10.1001/jamaoto.2017.3147> . PMID: 29470563; PMCID: PMC5876901.

House JW, Brackmann DE. Facial nerve grading system. *Otolaryngol Head Neck Surg*. 1985 Apr;93(2):146-7. doi: <https://doi.org/10.1177/019459988509300202> . PMID: 3921901.

Gantz BJ, Rubinstein JT, Gidley P, Woodworth GG. Surgical management of Bell's palsy. *Laryngoscope*. 1999 Aug;109(8):1177-88. doi: <https://doi.org/10.1097/00005537-199908000-00001> . PMID: 10443817.

### **FN electrodiagnostic testing**

Andresen NS, Zhu V, Lee A, Sebetka W, Kimura J, Hansen MR, Gantz BJ, Sun DQ. Electrodiagnostic testing in acute facial palsy: Outcomes and comparison of methods. *Laryngoscope Investig Otolaryngol*. 2020 Sep 10;5(5):928-935. doi: <https://doi.org/10.1002/lio2.458> . PMID: 33134541; PMCID: PMC7585247.

### **Spontaneous CSF leak/encephalocele**

Stevens SM, Rizk HG, Golnik K, Andaluz N, Samy RN, Meyer TA, Lambert PR. Idiopathic intracranial hypertension: Contemporary review and implications for the otolaryngologist. *Laryngoscope*. 2018 Jan;128(1):248-256. doi: <https://doi.org/10.1002/lary.26581> . Epub 2017 Mar 27. PMID: 28349571.

Kutz JW Jr, Johnson AK, Wick CC. Surgical management of spontaneous cerebrospinal fistulas and encephaloceles of the temporal bone. *Laryngoscope*. 2018 Sep;128(9):2170-2177. doi: <https://doi.org/10.1002/lary.27208> . Epub 2018 Apr 18. PMID: 29668049.

### **Temporal bone trauma**

Brodie HA, Thompson TC. Management of complications from 820 temporal bone fractures. *Am J Otol*. 1997 Mar;18(2):188-97. PMID: 9093676. <https://pubmed.ncbi.nlm.nih.gov/9093676/>

### **Quality improvement**

Brenner MJ, Chang CWD, Boss EF, Goldman JL, Rosenfeld RM, Schmalbach CE. Patient Safety/Quality Improvement Primer, Part I: What PS/QI Means to Your Otolaryngology Practice. *Otolaryngol Head Neck Surg*. 2018 Jul;159(1):3-10. doi: <https://doi.org/10.1177/0194599818779547> . PMID: 29968525.

### **Implicit bias/Healthcare disparities**

Boss EF, Niparko JK, Gaskin DJ, Levinson KL. Socioeconomic disparities for hearing-impaired children in the United States. *Laryngoscope*. 2011 Apr;121(4):860-6. doi: <https://doi.org/10.1002/lary.21460> . PMID: 21433023.

Nieman CL, Marrone N, Szanton SL, Thorpe RJ Jr, Lin FR. Racial/Ethnic and Socioeconomic Disparities in Hearing Health Care Among Older Americans. *J Aging Health*. 2016 Feb;28(1):68-94. doi: <https://doi.org/10.1177/0898264315585505> . Epub 2015 May 7. PMID: 25953816; PMCID: PMC4826391.

### **Critical evaluation of the literature**

Rosenfeld RM. How to systematically review the medical literature. *Otolaryngol Head Neck Surg.* 1996 Jul;115(1):53-63. doi: [https://doi.org/10.1016/s0194-5998\(96\)70137-7](https://doi.org/10.1016/s0194-5998(96)70137-7) . PMID: 8758631.

Neely JG, Magit AE, Rich JT, Voelker CC, Wang EW, Paniello RC, Nussenbaum B, Bradley JP. A practical guide to understanding systematic reviews and meta-analyses. *Otolaryngol Head Neck Surg.* 2010 Jan;142(1):6-14. doi: [10.1016/j.otohns.2009.09.005](https://doi.org/10.1016/j.otohns.2009.09.005). Epub 2009 Nov 26. PMID: 20096216.